

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-275016

(43)Date of publication of application : 08.10.1999

(51)Int.Cl.

H04B 10/08

H04B 3/46

H04J 14/00

H04J 14/02

(21)Application number : 11-028031

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(22)Date of filing : 05.02.1999

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(30)Priority

Priority number : 98 19213 Priority date : 05.02.1998 Priority country : US

(54) SYSTEM AND METHOD FOR MONITORING OPTICAL LINK AND FOR SPECIFYING STATE OF THE LINK

(57)Abstract:

PROBLEM TO BE SOLVED: To specify or detect the soundness of an optical link by allowing a 2nd device to monitor the optical link, based on the received optical signal having the first wavelength and then detect the state of the optical link.

SOLUTION: An optical signal having wavelength λ_1 is produced by a laser site source 120 and supplied to one of inputs of a WDM 124. Another optical signal having wavelength λ_2 is received from a transmitter 102 and supplied to the other input of the WDM 124. Both optical signals of λ_1 and λ_2 are transmitted to an optical link 106 via the WDM 124. A transmitter 114 produces an optical signal having wavelength λ_3 , which is supplied to one of inputs of a WDM 130. The optical signals of λ_1 and λ_3 are transmitted to a central station via the WDM 130 and then to a system optical link 108. In

